

WHAT IS CLAIMED IS:

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5 1. An optical component measurement apparatus which inputs a measurement optical signal originating from a measurement light source into an optical component under test and which measures an optical output signal output from the optical component, the apparatus comprising:

a measurement unit for measuring an optical output signal output from the optical component;

10 a first optical fiber which is connected to an input terminal of the optical component under test and inputs the measurement optical signal to the optical component;

15 a second optical fiber which is connected to an output terminal of the optical component under test and transfers, to the measurement unit, an optical output signal output from the optical component under test; and

20 a position controller for adjusting relative positions between the first optical fiber, the second optical fiber, and connection sections of the optical component under test such that an optical signal level measured by the measurement unit becomes maximum.

25 2. The optical component measurement apparatus according to claim 1, wherein the optical component under test has a plurality of output terminals; the measurement unit has a plurality of photodetectors which detect optical output signals output from the plurality of output terminals of the

optical component under test, and measurement equipment connected to the plurality of photodetectors; and the plurality of output terminals of the optical component under test are connected to corresponding photodetectors by way of  
5 corresponding second optical fibers.

3. The optical component measurement apparatus according to claim 2, wherein the measurement unit is further provided with a switch for connects the plurality of photodetectors to the measurement equipment in a switchable  
10 manner.

4. The optical component measurement apparatus according to claim 3, wherein the measurement unit further comprises a display device for displaying a result of measurement performed by the measurement equipment.

15 5. A method of testing an optical component measurement apparatus which inputs a measurement optical signal originating from a measurement light source into an optical component under test and which measures an optical output signal output from the optical component, the method comprising the  
20 steps of:

inputting the measurement optical signal to the optical component under test by way of a first optical fiber connected to an input terminal of the optical component under test;

transmitting an optical signal output from the  
25 measurement optical component by way of a second optical fiber

connected to an output terminal of the optical component under test;

measuring an optical output signal output from the optical component under test on the basis of the optical output signal transmitted by way of the second optical fiber; and

adjusting relative positions between the first and second optical fibers and connections of the optical component under test such that the level of the measured optical output signal becomes maximum.

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